

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/734,624	LLOYD-JONES, KEVIN	
	<b>Examiner</b>	<b>Art Unit</b>	
	Christian P. Chace	2189	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 1/28/05.
2. ☒ The allowed claim(s) is/are 8 and 10-15.
3. ☒ The drawings filed on 28 January 2005 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>1/25/05</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                              | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

## **DETAILED ACTION**

### ***Response to Amendment***

This Office action has been issued in response to amendment filed 28 January 2005. Claims 8 and 10-15 are pending. Applicant's arguments have been carefully and respectfully considered in light of the instant amendment, and are persuasive.

Accordingly, claims 8 and 10-15 are allowed.

### ***Information Disclosure Statement***

IDS received 28 January 2005 has been considered by examiner. A signed and initialed copy is attached hereto.

### ***Allowable Subject Matter***

Claims 8 and 10-15 are allowed, and hereby renumbered 1-7, respectively.

The following is an examiner's statement of reasons for allowance:

With respect to independent claims 8, 11, and 14, now renumbered 1, 3, and 6, respectively, if a said lookup address is less than said requested logical address, determining a corresponding respective physical address to said requested logical address as being said requested logical address, minus a lookup logical address of a preceding data entry in said data translation table, plus a look up physical address corresponding to said preceding data entry in said data translation table is not taught or suggested in the cited prior art of record.

With respect to independent claims 10 and 13, and now renumbered 2 and 5, respectively, incrementing said index value if said logical address of said data to be retrieved is greater than or equal to a lookup logical address corresponding to said

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index of said data entry, repeating steps a, b, and c, (claimed herein), and determining a physical address corresponding to said logical address to be retrieved as the sum of the physical address of the previous data entry and the difference between the logical address to be retrieved and the logical address of the previous data entry is not taught or suggested by the cited prior art of record.

With respect to independent claims 12 and 15, now renumbered 4 and 7, respectively, creating a first additional data entry in said store, said first additional data entry comprising a logical address which corresponds to the first defective element of the group of defective elements and a physical address being that of a group of previously unused (spare) storage elements, and creating a second additional data entry in said store, said second data entry comprising the logical address corresponding to the physical address subsequent to the highest addressed element of the group of defective elements and that same physical address as the physical address is not taught or suggested by the cited prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christian P. Chace whose telephone number is 571.272.4190. The examiner can normally be reached on MAXI FLEX.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on 571.272.4201. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Christian P. Chace  
Examiner  
Art Unit 2189